Index of Claims

| Application | n/Contr | ol No. |
|-------------|---------|--------|
|-------------|---------|--------|

10/823,580 Examiner

EJZAK, RICHARD PAUL

Applicant(s)/Patent under Reexamination

Art Unit

Ariel Balaoing

2617

Rejected Allowed

| _      | (Through numeral)<br>Cancelled |
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| $\Box$ |                                |

Restricted

| N | Non-Elected  |
|---|--------------|
|   | Interference |

| A | Appeal   |
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| Cli  | aim      | Date         |  |              |  |  | CI   | Claim Date     |                 |          |          |          |          |                 |          |          | Clai           | im     | Date     |                 |          |   |            |        |           |              |          |          |          |           |          |          |
|--|----------|--------------|--|--------------|--|--|--|----------------|-----------------|----------|----------|----------|----------|-----------------|----------|----------|----------------|--------|----------|-----------------|----------|---|------------|--------|-----------|--------------|----------|----------|----------|-----------|----------|----------|
|  |          | $\vdash$     |  |              | Τ.   | T                                      | Ť  |                |                 | $\dashv$ |          |          |          |                 |          |          |                |        | ⊢`       | 7               |          | Т | $\neg$     | Т      | Ť         | <u> </u>     |          | $\neg$   | Т        | $\dashv$  |          |          |
| Final  | Original | 90/2/2       |  |              |  |  |  |                |                 |          | Final    | Original |          |                 |          |          |                |        |          |                 | Final    |   | Original   |        |           |              |          |          |          |           |          |          |
|  | 1        | 1            |  | Г            | Г  |  |  |                |                 | ヿ        |          | 51       | T        | $\Box$          | $\neg$   | 1        |                | $\top$ |          | П               |          |   | 101        | 7      | 7         | 7            | 丁        |          | $\neg$   | $\neg$    | $\neg$   | ヿ        |
|  | 2        | 1            | T  | $\vdash$     | 1  |  | $\vdash$   |                | $\vdash$        | $\neg$   |          | 52       | $\vdash$ | H               | _        | 7        |                | 1      |          | П               |          |   | 102        |        | $\top$    | ╅            | 寸        | $\neg$   | 寸        | $\dashv$  | $\dashv$ | ヿ        |
|  | 3        | 1            |  | $\vdash$     | t  |  |  | _              | $\Box$          | 一        |          | 53       |          | $\vdash$        | _        | +        | $\top$         | 1      | 1        | H               |          |   | 103        | 7      | $\top$    | $\top$       | 1        | _        | 寸        | _         | $\dashv$ | ヿ        |
| _  | 4        | 1            |  |              | ┢  | 1                                      | H  | Г              |                 | $\neg$   |          | 54       | 1        |                 | 十        | $\top$   | $\top$         | $\top$ | $\top$   | Н               |          |   | 104        | $\top$ | $\top$    | $\top$       | $\top$   | $\dashv$ | 寸        | $\dashv$  | $\dashv$ | ヿ        |
|  | 5        | Ì            | _  | ┢            | ╁╌   | $\vdash$                               | ╁  | ┢              | H               | ᅥ        | -        | 55       | $\vdash$ | 1               | +        | $\dashv$ | $\dashv$       | 1-     | +        | Н               |          |   | 105        | 十      | 十         | $\top$       | 十        | $\dashv$ | 一        | 十         | 十        | ヿ        |
|  | 6        | Ì            | $\vdash$   | $\vdash$     |  | $\vdash$                               | $\vdash$   | ┢╌             | $\vdash$        | $\dashv$ |          | 56       | $\vdash$ | $\vdash$        |          | +        | +              | +      | +-       | H               | $\vdash$ |   | 106        | +      | $\dashv$  | +            | +        | 一        | _        | $\dashv$  | $\dashv$ | ᅥ        |
|  | 7        | i            | ┢╾   | -            | -  | $\vdash$                               | $\vdash$   | ┢              |                 | $\dashv$ | -        | 57       | +        | $\vdash$        | ╅        | +        | +              | +      | +-       | H               |          | + | 107        | 十      | +         | ╁            | $\dashv$ | +        | -        | _         | 十        | ᅱ        |
|  | 8        | Ì            | _  | $\vdash$     | $\vdash$   | $\vdash$                               | ⊢  | H              | -               | $\neg$   |          | 58       | +        | $\vdash$        | +        | +        | +              | +-     | +        | H               |          |   | 108        | ╅      | +         | +            | ┪        | $\dashv$ | 一        | 十         | 十        | ᅱ        |
| ├─   | 9        | i            | -  |              | $\vdash$   | $\vdash$                               | ┢  | <del> </del>   | H               | $\dashv$ |          | 59       | $\vdash$ | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$       | +-     | ╅╾       | Н               | -        |   | 109        | +      | +         | +            | 十        | -        |          | _         | ╅        | ᅱ        |
| <del>                                     </del> | 10       | 1            |  | -            | -  | $\vdash$                               | $\vdash$   | $\vdash$       | H               | $\dashv$ | -        | 60       | +-       | -               | +        | $\dashv$ | +              | +-     | ╁        | Н               | -        |   | 110        | +      | +         | +            | $\dashv$ | -+       |          | ⇁┼        | ╅        | ᅱ        |
| <b>-</b>   | 11       | 1            | ┢  | ⊢            | $\vdash$   | ┢                                      | ├─   | ⊢              | $\vdash$        | $\dashv$ |          | 61       | +        | $\vdash$        | $\dashv$ | +        | +              | +      | $\vdash$ | Н               | _        |   | 111        | +      | +         | +            | $\dashv$ | $\dashv$ | $\dashv$ | -         | +        | $\dashv$ |
| <u> </u>   | 12       | 1            | -  | $\vdash$     | $\vdash$   | <del> </del>                           | <del> </del>                                     | $\vdash$       | $\vdash$        |          | -        | 62       | $\vdash$ | $\vdash \vdash$ | +        | +        | +              | +      | +-       | Н               | $\vdash$ |   | 112        | +      | +         | +            | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ |
|  | 13       | V            | <del>                                     </del> | $\vdash$     | ╁  | ├-                                     | ├-   | <del> </del>   |                 | $\dashv$ | -        | 63       | $\vdash$ | $\vdash$        | $\dashv$ | +        | +              | +      | $\vdash$ | H               | -        |   | 113        | +      | +         | +            | $\dashv$ | $\dashv$ | -1       | $\dashv$  | $\dashv$ | $\dashv$ |
|  | 14       | 1            |  | $\vdash$     | +-   | -                                      |  | $\vdash$       | $\vdash$        | $\dashv$ | }        | 64       | +        | $\vdash \vdash$ | +        | +        | +              | +      | +        | H               | $\vdash$ |   | 114        | +      | +         | +            | +        | -+       |          | $\dashv$  | $\dashv$ | $\dashv$ |
| $\vdash$   | 15       | 1            | -  | $\vdash$     | $\vdash$   | <del>  -  </del>                       | <del> </del>                                     | ╁              |                 | $\dashv$ | -        | 65       | $\vdash$ | $\vdash \vdash$ | $\dashv$ | +        | +              | +-     | $\vdash$ | Н               | -        |   | 115        | +      | +         | +            | +        | -1       | $\dashv$ | $\dashv$  | $\dashv$ | ᅱ        |
| <del> </del>                                     | 16       | Ť            | ┢  | ┢            | <del>                                     </del> | $\vdash$                               | $\vdash$   | $\vdash$       | $\vdash \vdash$ | $\dashv$ | -        | 66       | +-       | $\vdash$        | +        | +        | +              | +      | +        | H               |          |   | 116        | +      | +         | +            | +        | $\dashv$ | 一        | $\dashv$  | $\dashv$ | ᅥ        |
|  | 17       | 1            | $\vdash$   | $\vdash$     |  | $\vdash$                               | $\vdash$   | +-             | $\vdash \vdash$ | ᅱ        | -        | 67       | +        | $\vdash \vdash$ | +        | +        | +              | +      | $\vdash$ | $\vdash$        | -        |   | 117        | +      | +         | +            | $\dashv$ | +        | $\dashv$ | -         | $\dashv$ | $\dashv$ |
|  | 18       | 1            | 1  | $\vdash$     | $\vdash$   | $\vdash$                               | ╁  | $\vdash$       | $\vdash$        | $\dashv$ | -        | 68       | +        | $\vdash \vdash$ | +        | +        | +              | +      | +-       | $\vdash$        | -        |   | 118        | +      | +         | +            | +        | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ |
| <del></del>                                      | 19       | 1            | -  | $\vdash$     | $\vdash$   | $\vdash$                               | $\vdash$   | 1              | $\vdash$        | -        | -        | 69       | +-       | $\vdash \vdash$ | +        | +        | +              | +      | +        | $\vdash$        | -        |   | 119        | +      | +         | +            | +        | $\dashv$ | -        | $\dashv$  | $\dashv$ | $\dashv$ |
| -  | 20       | V            |  | ⊢            | ┢  | ├-                                     | ├  |                |                 | $\dashv$ |          | 70       | +        | $\vdash$        | +        | +        | $\dashv$       | +      | ╫        | Н               | $\vdash$ |   | 120        | +      | +         | ┰            | +        | $\dashv$ | ᅥ        | -         | $\dashv$ | $\dashv$ |
|  | 21       | 1            | -  | ⊢            | -  | ┝                                      | ├  | ╁              | $\vdash$        | $\dashv$ | -        | 71       | +        | $\vdash$        | $\dashv$ | +        | +              | +-     | +        | Н               | -        |   | 121        | +      | +         | +            | $\dashv$ | -+       | $\dashv$ | -         | -+       | $\dashv$ |
|  | 22       | V            |  | ⊢            | ┢  | ⊢                                      | ⊢  |                | -               | $\dashv$ | -        | 72       | ╁        | $\vdash$        | $\dashv$ | +        |                | +-     | +        | Н               | -        |   | 122        | +      | +         | +            | $\dashv$ | $\dashv$ | $\dashv$ | -         | -        | $\dashv$ |
|  | 23       |              | <del> </del> —                                   | ┢            | -  | ┝                                      | ⊢  | ╁              | $\vdash$        | $\dashv$ | -        | 73       | +        | ├─┼             | $\dashv$ | +        |                | +-     | +        | Н               | -        | + | 123        | ╁      | ┰         | +            | $\dashv$ | -        |          | +         | $\dashv$ | $\dashv$ |
| -  | 24       |              | <del> </del>                                     | ├            | ├  | ├                                      | ⊢  | ┢              | $\vdash$        | $\dashv$ | -        | 74       | ┼        | ⊢               | $\dashv$ | +        |                | ╁      | +        | Н               | -        |   | 124        | ┿      | +         | +            | $\dashv$ | -        |          | $\dashv$  | $\dashv$ | $\dashv$ |
|  | 25       | -            | <del> </del>                                     | ⊢            | ├  | <del> </del>                           | ┝  | -              | $\vdash$        | $\dashv$ |          | 75       | ╁        | ┝╼┼             | -        |          | -              | +      | +        | H               | -        | + | 125        | +      | +         | +            | -+       | -1       | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ |
| <u> </u>   | 26       | <u> </u>     | <u> </u>   | ⊢            | +-   | ├                                      |  | <del> </del>   | $\vdash$        | $\dashv$ | -        | 76       | $\vdash$ | ₽               | +        | -        | <del>-</del> - |        | +        | H               |          |   | 126        | +      | +         | +            | +        | -        | $\dashv$ | $\dashv$  | +        |          |
| ├—   | 27       | -            | -  |              | ├  | <del> </del>                           | ├-   | ├              |                 | $\dashv$ |          | 77       | ╁        | $\vdash$        | +        | +        | +              |        | ┿        | Н               | -        |   | 127        | +      | +         | +            | +        | -        | $\dashv$ | -         | $\dashv$ | $\dashv$ |
| ├  |          | ⊢            | ⊢  | ⊢            | ├  | -                                      | -  |                |                 | $\dashv$ | -        | 78       | ╁        | $\vdash$        | -        | +        |                |        | ╫        | Н               | -        |   | 128        | -      | +         | +            | -+       | -        | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ |
| ├─   | 28<br>29 | ₩            | ┝  | -            | ├  | ├                                      | ⊬  | ┢              | ╟┤              |          |          | 79       | +        | ╌               | -        | +        | +              | +      | ┼        | $\vdash$        | -        | + | 129        | +      | +         | ╬            | +        | +        | $\dashv$ |           | $\dashv$ | $\dashv$ |
| ├─   |          | ₩            | ₩  | ⊢            | ╀  | ⊢                                      |  |                |                 | {        | -        | 80       | 1        | $\vdash$        | +        | +        | -              |        | ┿        | $\vdash$        | -        |   | 130        | +      | +         | ╬            | $\dashv$ | -        | $\dashv$ | $\dashv$  | +        | $\dashv$ |
| <u> </u>   | 30       | <u> </u>     | ├  | ├-           | ┝  | ┼                                      | -  | -              | $\vdash$        | ᅱ        | -        | 81       | +        | $\vdash$        | +        | +        |                |        | +-       | Н               | $\vdash$ | + | 131        | +      |           |              | -+       | -+       | $\dashv$ | $\dashv$  | $\dashv$ | -        |
|  | 31       | ├            | ₩  | ├            | -  |  | ⊬  | $\vdash$       | $\vdash \vdash$ | $\dashv$ | -        |          | -        | $\vdash \vdash$ | +        | +        | +              | +      | +        | $\vdash \vdash$ | -        |   | 131        | +      | +         | +            | +        |          | -        |           | -+       | $\dashv$ |
| <u> </u>   | 32       | <u> </u>     | <u> </u>   | 1            | -  | ⊢                                      | ├  | ├              |                 | $\dashv$ | -        | 82       | ₩        |                 | +        | -        | $\dashv$       | +      | ╁        | $\vdash$        | -        |   |            | +      | +         | +            | $\dashv$ | -        | -        | $\dashv$  | -+       | -        |
| -  | 33       | -            | <del> </del> —                                   | $\vdash$     | ┼  | ⊢                                      | -  | $\vdash$       | $\vdash \vdash$ | $\dashv$ | $\vdash$ | 83<br>84 | +        | $\vdash$        | $\dashv$ | -+       |                | +      | +        | $\vdash \vdash$ | -        |   | 133        | +      | +         | +            | $\dashv$ | $\dashv$ | -        | $\dashv$  | $\dashv$ | $\dashv$ |
| <u> </u>   | 34       | <del> </del> |  | <del> </del> | $\vdash$   | ⊢                                      | $\vdash$   | ₩              | $\vdash \vdash$ | $\dashv$ |          | 85       | +        | $\vdash \vdash$ | +        | +        | +              | +-     | +-       | $\vdash$        |          | + | 134<br>135 | +      | +         | +            | -+       | $\dashv$ | -        | -         | $\dashv$ | $\dashv$ |
| <u> </u>   | 35       | <del> </del> | -  | -            |  | ₩                                      | $\vdash$   | -              | $\vdash$        | $\dashv$ |          |          | +        | $\vdash \vdash$ | +        | +        | +              | +-     | ╀        | Н               | $\vdash$ |   |            | +      | +         | +            | $\dashv$ | -        | -        |           | -+       | $\dashv$ |
| <u> </u>   | 36       |              | ⊢  | <u> </u>     | $\vdash$   |  | -  | -              | $\vdash$        | $\dashv$ |          | 86       | ┼        | $\vdash$        | $\dashv$ | +        | $\dashv$       | +      | ┼-       | ⊣               | <u> </u> | + | 136        | +      | $\dashv$  | +            | $\dashv$ | -        | -        | $\dashv$  | -        | _        |
| ├  | 37       | <del> </del> | $\vdash$   | -            | ├-   | ╀                                      | -  | -              | $\vdash$        |          | -        | 87       | +-       |                 | $\dashv$ |          | -              | +      | +-       | $\vdash$        | -        |   | 137        | +      | - -       | +            |          |          | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ |
|  | 38       | ⊢            | ⊢  | <b>├</b> -   | ⊢  |  | ┡  | ├              | $\vdash$        |          | <u> </u> | 88       | ╁        |                 | $\dashv$ | -        | +              | +      | ╀        | $\vdash$        | -        | + | 138        | +      |           | +            | -        |          | -        | $\dashv$  | -        | $\dashv$ |
| ├  | 39       | ⊢            | ــ   | <u> </u>     |  |  | ├-   | <del> </del> — | $\sqcup$        | _        |          | 89       | +-       | ┝               |          |          | +              | +      | $\vdash$ | $\vdash$        | -        |   | 139        | +      | - -       | +            | $\dashv$ | -        |          | -         | -        | $\dashv$ |
| <u> </u>   | 40       | -            | $\vdash$   | $\vdash$     | <del> </del>                                     | 1                                      | ₩  | ┡              | $\sqcup$        | _        | <u> </u> | 90       | <b> </b> | $\vdash \vdash$ |          | 4        | +              | -      | 1        | $\vdash$        |          |   | 140        | +      | +         | +            | -+       | -        |          |           | -        | 긕        |
|  | 41       | $\vdash$     | -  | <u> </u>     | ╀  | ╀                                      | ₩  |                | $\vdash$        | $\dashv$ | <u> </u> | 91       | ┼        |                 | $\dashv$ | -        | +              | +      | +-       | $\vdash$        | -        |   | 141        | +      | +         | +            | $\dashv$ |          |          |           | $\dashv$ | 4        |
|  | 42       | ├-           | $\vdash$   | <u> </u>     |  | ₩                                      | <del>                                     </del> | _              | $\vdash$        | $\dashv$ |          | 92       | +        | $\vdash \vdash$ | +        | -        | +              | +      | +        | $\vdash$        | -        |   | 142        | -      | +         | +            | -        | -        |          | -         | $\dashv$ | $\dashv$ |
|  | 43       | -            | -  | ⊢            | ₩  | ↓_                                     | <del> </del>                                     | 1              | $\vdash$        | _        | <u> </u> | 93       | +        | $\vdash \vdash$ | -+       | +        | +              | +      | +        | $\sqcup$        |          |   | 143        | +      | -         | 4            | -        |          | -        | $\dashv$  |          | 4        |
|  | 44       | <del> </del> | _  | <u> </u>     |  |  | ļ.,  | _              | $\sqcup$        | _        | ļ        | 94       | ₩        | $\sqcup$        | 4        | -        | +              | $\bot$ | $\vdash$ | Н               | <u> </u> | 4 | 144        | 4      | 4         | 4            | _        |          | _        | $\dashv$  | _        | _        |
| <u></u>  | 45       | $\vdash$     | -  | ┞            | ـــ  | ↓_                                     | 1  | <b> </b>       | $\sqcup$        | _        | ļ        | 95       | +-       |                 | 4        | $\dashv$ | +              | 4      | ┦        | $\sqcup$        | $\vdash$ |   | 145        | +      | +         | $\downarrow$ | _        | _        |          | _         | _        | 4        |
| L  | 46       | ļ.,          | <u> </u>   | <u> </u>     | ┞  |  | ╄  | <b> </b>       | Ш               | _        | <u> </u> | 96       | ـ        | ⊢∔              | $\dashv$ | 4        | +              | +      | ╀-       | $\vdash$        | <u> </u> |   | 146        | 4      | 4         | 4            | $\dashv$ | _        | _        | $\sqcup$  |          | _        |
| L  | 47       | <u> </u>     | <u> </u>   | <u> </u>     | ↓_   | ـــــ                                  | <u> </u>   | ┞              | $\sqcup$        | $\dashv$ | <u> </u> | 97       | 4        | $\sqcup$        | $\dashv$ | 4        | 4              | $\bot$ | ↓        | $\vdash$        | <u> </u> |   | 147        | 4      | _         | 4            | _        |          |          |           | 4        | _        |
|  | 48       | $\vdash$     | <u> </u>   | 1_           | ــــ   | ــــــــــــــــــــــــــــــــــــــ | <u> </u>   | ــــ           | $\sqcup$        |          | <u> </u> | 98       | ╄-       | $\sqcup$        | $\perp$  | 4        | 4              | +      | 1        | $\sqcup$        | <u> </u> | 4 | 148        | 4      | 4         | 4            | _        | _        |          | $\sqcup$  | _        | _        |
| <u></u>  | 49       | <u> </u>     | <u> </u>   | ـــــ        | ـــ  | 4_                                     | ↓_   | <del> </del>   | Ш               |          | <u> </u> | 99       | $\vdash$ | Ш               | 4        | 4        | _              | $\bot$ | 1        | $\sqcup$        | <u> </u> |   | 149        | 4      | _         | 4            | $\dashv$ | _        |          | $\square$ |          |          |
|  | 50       | <u>L</u> _   | <u></u>  |              | <u> </u>   | 1_                                     | L  | 1              |                 | Ш        |          | 100      | 1        | LL              |          |          |                |        |          | Ш               |          |   | 150        | L      | $\perp$ L | _1           |          |          |          |           | _1       |          |